



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

February 14, 2013

Sent Via Email – tbuck@toknc.com

Mr. Thad Buck
Town of Kernersville
Solid Waste Superintendent
P.O. Box 728
Kernersville, NC 27284

Re: *Groundwater Assessment Plan*
Town of Kernersville Closed and Unlined MSW Landfill
Forsyth County
Solid Waste Section Permit Number 34-04
DIN 18470

Dear Mr. Buck:

The Solid Waste Section has completed a review of the *Groundwater Assessment Plan* dated January 21, 2013 (DIN 18457) and submitted on behalf of the Town of Kernersville by Joyce Engineering for the Town of Kernersville Landfill. Solid Waste Section letters dated October 18, 2010 and November 1, 2012 required the Town of Kernersville to submit a phased groundwater assessment plan to continue the 1995-1996 groundwater assessment to delineate the horizontal and vertical extent of the groundwater contamination at the landfill.

The *Groundwater Assessment Plan* submitted includes a historical review of groundwater quality, a characterization of groundwater flow, a historical review of surface water quality, a development of a conceptual site model and, a completion of a summary report.

As a result, the *Groundwater Assessment Plan* is approved as described. Please implement the approved plan and please submit the summary report within 90 days of receipt of this letter.

In addition, groundwater monitoring well MW-5 has been damaged for several years and no samples have been collected from this groundwater monitoring well. Please repair this monitoring well prior to the next scheduled water quality monitoring event. If the monitoring well cannot be repaired, please replace this well prior to the next scheduled water quality monitoring event as this is the only well monitoring this portion of the landfill.

Also, groundwater monitoring well MW-6, the landfill's background well, was dry during the November 2012 water quality monitoring event. If groundwater monitoring well MW-6 is dry again during the next scheduled water quality monitoring event, then a new background well will be required to be installed at the landfill.

If you have any questions or concerns regarding this letter, please feel free to contact me by email at jaclynne.drummond@ncdenr.gov or at 919-707-8294. Thank you for your continued cooperation with this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jaclynne Drummond', with a stylized, cursive script.

Jaclynne Drummond
Compliance Hydrogeologist
Solid Waste Section

cc via email: Mark Poindexter, Field Operations Supervisor
Jason Watkins, Western District Supervisor
Charles Gerstell, Environmental Senior Specialist
Larry Hinline, Joyce Engineering